1	1.	A method of creating a digital certificate revocation list (CRL), comprising:		
2		determining a latest owned CRL stored by a CRL recipient;		
3		creating a delta CRL comprising a list of digital certificates with a status of		
4	satisf	satisfying at least one inactive criterion, wherein said status has changed since the		
5	latest	latest owned CRL; and		
6		sending the delta CRL to the CRL recipient.		
7				
8	2.	The method according to claim 1, further comprising receiving a request for		
9	a CR	L, the request including an indication of the latest owned CRL, and wherein		
10	the la	test owned CRL is determined by examining the request.		
11				
12	3.	The method according to claim 1, further comprising formatting the delta		
<u>1</u> 3	CRL	CRL as an ASN.1 format delta CRL.		
12 13 14 15				
<b>1</b> 5	4.	The method according to claim 1, wherein the creating comprises comparing		
146	entrie	entries in the latest owned CRL with a current CRL.		
17				
18	5.	The method according to claim 1, wherein the creating comprises querying		
19	a dat	a database for entries spanning the latest owned CRL and a current CRL.		
19 20				
21	6.	The method according to claim 1, wherein the creating comprises merging		
22	data	data from a plurality of delta CRLs spanning from the latest owned CRL to a current		
23	CRL.			
24				
25	7.	The method according to claim 1, further comprising applying a digital		
26	signa	ature to the CRL.		
27				
28	8.	An electronic storage medium storing instructions which when executed on		
29	a pro	a programmed processor carry out the method of creating a digital certificate		
30	revo	revocation list according to claim 1.		

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1	9.	A method of creating a digital certificate revocation list (CRL), comprising:	
2		receiving a request for a CRL, the request including an indication of a latest	
3	owned CRL;		
4		creating a delta CRL comprising a list of digital certificates satisfying at least	
5	one inactive criterion since the latest owned CRL; and		
6		sending the delta CRL as a reply to the request.	
7			
8	10.	The method according to claim 9, further comprising formatting the delta	
9	CRL as an ASN.1 format delta CRL.		
10			
11	11.	The method according to claim 9, wherein the creating comprises comparing	
12	entries in the latest owned CRL with a current CRL.		
13			
14	12.	The method according to claim 9, wherein the creating comprises querying	
15	a database for entries spanning the latest owned CRL and a current CRL.		
16			
17	13.	The method according to claim 9, wherein the creating comprises merging	
18	data from a plurality of delta CRLs spanning from the latest owned CRL to a current		
19	CRL.		
20			
21	14.	The method according to claim 9, further comprising applying a digital	
22	signature to the CRL.		
23			
24	15.	An electronic storage medium storing instructions which when executed on	
25	a programmed processor carry out the method of creating a digital certificate		
26	revocation list according to claim 9.		
27			
28	16.	The method according to claim 9, wherein the sending comprises	
29	transr	mitting the CRL as a reply over an electronic communication medium.	

17. A data structure, stored on a computer readable storage medium or transported over an electronic communication medium, for a digital certificate revocation list (CRL), comprising:

a list of digital certificates representing changes to a CRL that have occurred since generation of at least two additional CRLs; and

a CRL identifier; and

wherein the CRL is formatted as a delta CRL.

18. The data structure according to claim 17, wherein the CRL identifier comprises a sequentially assigned number.

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